

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

04558/039001

Application Number

09/462,109

Applicant(s)

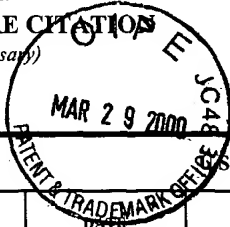
Masahiko Hirose, et al.

Filing Date

December 30, 1999

Group Art Unit

1771



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LR	A1	4,277,344	07/07/81	Cadotte	210	654	02/22/79
	A2	4,761,234	08/02/88	Uemura et al.	210	500.38	07/30/86
	A3	4,872,984	10/10/89	Tomaschke	210	500.38	09/28/88
	A4	4,948,507	08/14/90	Tomaschke	210	500.38	10/06/89
	A5	4,520,044	05/28/85	Sundet	427	244	07/30/84
	A6	4,529,646	07/16/85	Sundet	428	315.5	10/31/84
	A7	5,733,602	03/31/98	Hirose et al.	427	245	12/22/95
	A8	4,778,596	10/18/88	Linder et al.	210	638	08/18/86
	A9	4,767,645	08/30/88	Linder et al.	427	386	04/17/87
LR	A10	4,833,014	05/23/89	Linder et al.	428	308.4	05/23/88

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
LR	A11	61-46203	03/06/86	Japan	1	1	✓
	A12	63-178805 - 9	07/22/88	Japan	1	1	✓
	A13	63-218208	09/12/88	Japan	1	1	✓
LR	A14	63-12310	01/19/88	Japan	1	1	✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LR	A15	Patent Abstracts of Japan, Publication No. 61046203 A, Date of Publication 03/06/86, 1 Page
LR	A16	Patent Abstracts of Japan, Publication No. 63178805 A, Date of Publication 07/22/88, 1 Page

EXAMINER

Lanna Roche

DATE CONSIDERED

5/17/01

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FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>LR</i>	B1	Patent Abstracts of Japan, Publication No. 63218208 A, Publication Date 09/12/88, 1 Page
<i>LR</i>	B2	Patent Abstracts of Japan, Publication No. 63012310 A, Publication Date 01/19/88, 1 Page

EXAMINER <i>Leanna Roche</i>	DATE CONSIDERED <i>5/17/01</i>
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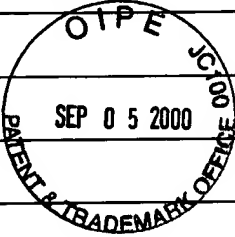
12/30/99

Group Art Unit

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LR	A1	4,340,480	07/20/1982	Pall et al.	210	490	10/20/80



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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
LR	A2	0 316 525 A2	05/24/1989	European	—	—	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A3	Supplementary European Search Report, Application No. EP 98 92 9777, dated 07/31/00, 4 pages

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